APPENDIX 23 2025 NOISE MONITORING REPORT

AGNICO EAGLE

MELIADINE GOLD MINE

2025 Noise Monitoring Report

In Accordance with NIRB Project Certificate No. 006

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

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EXECUTIVE SUMMARY

In accordance with Nunavut Impact Review Board (NIRB) Project Certificate No. 006 (March, 2022), and as described in the Project's Noise Abatement and Monitoring Plan (the Plan), Agnico Eagle Mines Ltd. (Agnico Eagle) monitors outdoor ambient noise levels at the Meliadine Mine. Through this program, ambient noise levels are measured at three or four previously determined outdoor monitoring locations over at least two 24 h periods annually. Results are compared to the mine's Final Environmental Impact Statement (FEIS, Golder 2014) predictions for the 24-h L_{eq}, the $L_{eq\text{-}nighttime}$ design target, and the site's noise monitoring criteria (24-h L_{eq}) to inform the need for supplemental noise abatement measures.

In 2025, Agnico Eagle conducted two noise surveys for all required stations (NPOR006a, NPOR008, and NPOR017a) plus opportunistic surveys at NPOR014b. Equipment malfunction and/or adverse weather conditions resulted in a reduced final dataset, but for each station, one or two 24-h L_{eq} values could be calculated. A summary of noise monitoring results for 2025 is provided in Table 1.

It is noted that typically, sound recordings are used to identify and, if appropriate, screen out data peaks dominated by noise sources that are not regular mine-related occurrences, and therefore not included in FEIS-stage noise modelling (e.g. ongoing animal disturbance, direct human interference, steady precipitation, aircraft flyovers). Contributions of wind interference are also normally assessed with the support of sound recordings. Sound recordings were not available in 2025, so no data was filtered out on this basis, and the influence of these sources on sound profiles is unknown. Results are presented as representative of the total acoustic environment, and potential sources of noise in the various profiles are explored using historical information for each monitoring location.

At station NPOR006a, a similar profile was recorded in 2024 and noise measurements above FEIS predictions were attributed through review of sound recordings to a combination of locally elevated winds and ongoing mine works in relatively close proximity to the survey location. These sources are considered likely to have dominated again in 2025. For station NPOR008, helicopter overflights are historically the dominant noise source contributing to sound peaks, and a similar pattern was evident in 2025. An elevated background acoustic environment was recorded here in 2025 as well, which is expected to have been caused by localized wind gusts. The profile at station NPOR17a was characterized by a single intense noise occurrence lasting approximately six minutes at 15:32 h on August 4. Station NPOR14b is currently outside of the influence of mine-related noise emissions and representative of background conditions.

Overall, final 24-h equivalent sound levels (L_{eq}) tended to be higher in 2025 than in recent years, and tended to exceed FEIS predictions. However, this is considered more likely a result of data processing limitations rather than an actual increase in mine-related sound levels, since no substantial changes in mine activity occurred. To date, no noise-related complaints have been received for the Meliadine Mine. At this time, no changes to existing noise monitoring or mitigation measures are proposed. The program will be run as designed in 2026.

Table 1. Summary of Meliadine Mine outdoor ambient noise monitoring results in 2025*.

Location	Recording Start	Recording End	*Noise Monitoring Criterion* $L_{eq(24\ h)}$ *(dBA)*	*FEIS Prediction* $L_{eq(24\ h)}$ *(dBA)*	**Measured $L_{eq(24\ h)}$ (dBA)**	*Design Target* $L_{eq\ (nighttime)}$ *(dBA)*	**Measured $L_{eq\ (nighttime)}$ (dBA)**
NPOR006a	2025-07-19 16:35	2025-07-21 14:53	*45*	*39.8*	45.4	*N/A*	*N/A*
	2025-08-29 16:54	2025-08-30 04:43			44.9		
NPOR008	2025-07-20 16:12	2025-07-28 14:08	*45*	*41.7*	**45.8**	*40*	**46.4**
	2025-10-10 14:37	2025-10-10 23:17			-		-
NPOR014b (background)	2025-09-07 10:02	2025-09-09 15:24	*45*	*44.7*	44.0	*N/A*	*N/A*
	2025-09-18 12:26	2025-09-21 09:21			36.6		
NPOR017a	2025-08-03 12:39	2025-08-04 16:42	*45*	*43.4*	**54.8**	*N/A*	*N/A*
	2025-09-11 16:46	2025-09-12 03:47			-		

"-" Insufficient valid data remained after filtering according to recorded weather conditions.

** Sound recordings were not available in 2025 so potential contributions of non-mine-related noise sources are unknown. See discussion in text.*

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SECTION 1 • INTRODUCTION

The Meliadine Gold Mine (the Mine) near Rankin Inlet, Nunavut is subject to the Terms and Conditions of the amended Project Certificate No. 006 issued by the Nunavut Impact Review Board (NIRB) in accordance with the Nunavut Land Claims Agreement Article 12.5.12 on March 2nd, 2022.

In accordance with this Project Certificate, and as described in the Project's Noise Abatement and Monitoring Plan (the Plan), Agnico Eagle began outdoor noise monitoring at the Meliadine Mine in 2016. The objective of the Plan is to verify predictions of noise levels made in the FEIS (Vol. 5 – Atmospheric Environment and Impact Assessment, Golder 2014) and inform the implementation of noise mitigation measures. If noise monitoring determines excessive Mine-associated noise levels exist, the data will be used to determine where noise abatement requires improvement.

A summary of the noise monitoring program is shown in Table 2, according to the Noise Abatement and Monitoring Plan. Locations NPOR006 and NPOR017 were adjusted beginning in 2020 to accommodate COVID-related restrictions and location NPOR014 has been adjusted twice based on community concerns and access considerations (discussed in Section 2.1).

Table 2. Noise monitoring objectives, frequency, duration, and locations for the construction and operations phases.

Monitoring Objectives	Frequency and Duration of Monitoring	Monitoring Locations
To verify that the noise emissions used in the FEIS noise assessment were reasonable, yet conservative. To verify that the mitigation measures considered integral to the Project are incorporated as planned, and are effective.	Two noise surveys per year per station, for a minimum period of 24 h per survey.	1) NPOR005 and/or NPOR006 (pre-2020); NPOR006a (2020+) 2) NPOR008 3) NPOR014 (pre-2020); NPOR014a (2020 – 2023); NPOR14b (2023+) (*when activities associated with the Discovery Pit are occurring)* 4) NPOR017 (pre-2020); NPOR017a (2020+)

SECTION 2 • METHODS

2.1. Monitoring Locations

In 2025, noise monitoring was conducted at four locations, as required by the Noise Abatement and Monitoring Plan. The monitoring locations are identified in Figure 1 and summarized in Table 3. Descriptions of the surrounding terrain and topography for these stations are provided in the Plan. Photos of the noise monitoring locations in the current year are provided in Section 3. These monitoring locations will be reviewed and may be adapted throughout the construction and/or operations phases of the Mine, as necessary.

In 2025, no exploration, construction, or operational activities occurred at the Discovery deposit location. Noise levels at NPOR014b were opportunistically surveyed.

Table 3. Noise monitoring locations and conditions for monitoring.

Location ID	UTM (Zone 15V)	Project Area	Monitoring Conditions	Monitored in 2025?
NPOR006	538286E 6991299N	Mine	Monitor during the entire Construction and Operations Phases, and initial stages of Closure when extensive activities are occurring.	No
NPOR006a	537550E 6991300N	Mine	Adjusted NPOR006 location beginning in 2020 to reduce potential for community interaction due to COVID-19 restrictions.	Yes
NPOR008	543707E 6987276N	Mine	Monitor during the entire Construction and Operations Phases, and initial stages of Closure when extensive activities are occurring.	Yes
NPOR014	549401E 6982060N	Mine	Pre-2020 monitoring location. Monitor only if activities associated with the Discovery Pit are occurring.	No
NPOR014a	548829 E 6982610 N	Mine	Adjusted NPOR014 location for 2020 +. This station has been moved based on community concerns around monitoring near cabin. Monitor only if activities associated with the Discovery Pit are occurring.	No
NPOR014b	549673 E 6982043 N	Mine	Adjusted NPOR014 location beginning with the second survey in 2023. This station was moved to facilitate access, which previously was only by helicopter (for NPOR014a).	Yes

Location ID	UTM (Zone 15V)	Project Area	Monitoring Conditions	Monitored in 2025?
NPOR017	544203E 6970537N	AWAR	Monitor during the entire Construction and Operations Phases, and initial stages of Closure when extensive activities are occurring.	No
NPOR017a	546152E 6971995N	AWAR	Adjusted NPOR017 location beginning in 2020 to reduce potential for community interaction due to COVID-19 restrictions.	Yes
AWAR = All Weather Access Road				

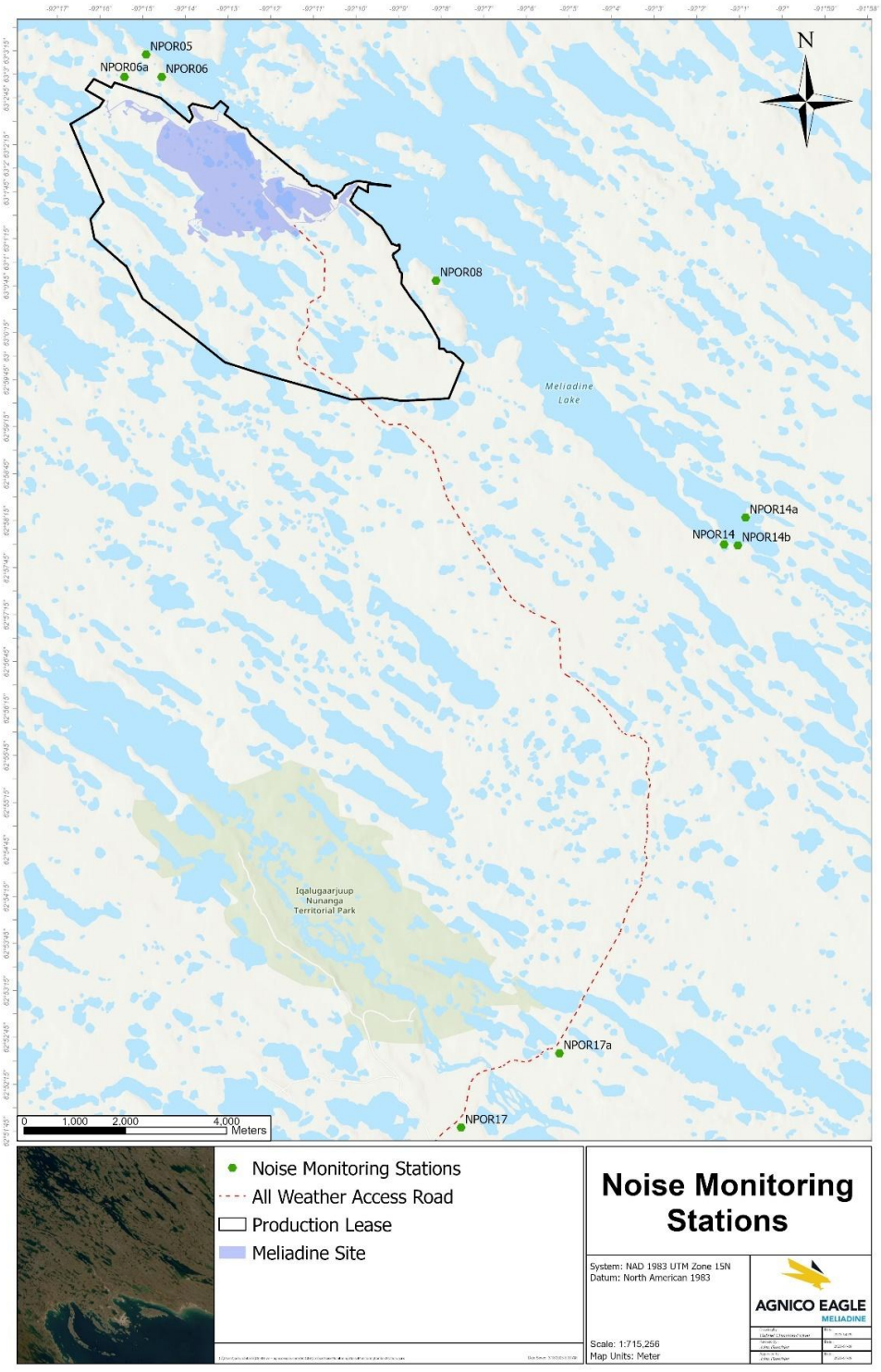

Figure 1. Noise monitoring stations for the Meliadine Mine. Monitoring was conducted at NPOR006a, NPOR008, NPOR014b, and NPOR017a in 2025.

2.2. Monitoring Dates

In accordance with the Noise Abatement and Monitoring Plan, two or more surveys of more than 24 hours were attempted for each location. Surveys were planned to last a minimum of 48 hours, since a significant portion of data has historically been filtered out due to sub-optimal weather conditions (see Section 2.4). In 2025, several surveys self-terminated early due to equipment malfunction (apparent battery failure). Actual dates and times for each survey when data was recorded are provided in Table 4.

Table 4. Noise monitoring dates in 2025, and total duration of the recorded data.

Location	Recording Start	Recording End	Duration (h)
NPOR006a	2025-07-19 16:35	2025-07-21 14:53	47
	2025-08-29 16:54	2025-08-30 04:43	13
NPOR008	2025-07-20 16:12	2025-07-24 2:56	81
	2025-10-10 14:37	2025-10-10 23:17	9
NPOR014b	2025-09-07 10:02	2025-09-09 15:24	54
	2025-09-18 12:26	2025-09-21 09:21	70
NPOR017a	2025-08-03 12:39	2025-08-04 16:42	29
	2025-09-11 16:46	2025-09-12 03:47	12

2.3. Sound Level Meter

For all stations, a Bruel and Kjaer Model 2250 integrating sound level meter and outdoor microphone type 4952 with integrated wind screen (UA-1679) was used to conduct the noise surveys.

The data logging rate was set at one-minute intervals (minimum), and according to the Noise Abatement and Monitoring Plan, logged parameters included:

- Integrated equivalent A-weighted sound level (LAeq)
- Maximum sound level (Lmax) in dBA
- Minimum sound level (Lmin) in dBA
- 1/3 octave band sound levels in decibels (dBZ)
- Statistical data (e.g. L10, L90) for broadband A-weighted sound levels (hourly)

Typically, sound recordings are also collected during noise surveys. However in 2025, the instrument was not set to record sound. Impacts on data interpretation are discussed throughout this report where relevant.

Calibration of the instrument was performed before each monitoring event using a Bruel and Kjaer Type 4231 Calibrator, to ensure variance was within 0.5 dB (see field notes, Appendix A). Estimated uncertainty, over a yearly time period for the calibrator is +/- 0.12 dB at a 99% confidence level. It is

noted that post-survey calibration is also scheduled, but was not conducted in 2025. Historically, no significant deviation in post-survey calibration checks has been recorded, so for the purposes of this ambient noise monitoring program, the data is assumed valid.

According to the Plan, professional calibration of the instruments is performed every year (calibrator and microphone) or every two years (sound level meter). A record of professional calibration is provided in Table 5.

Table 5. Professional calibration record for noise monitoring instruments. Calibration for each microphone includes the field calibrator.

Year	B&K Sound Level Meter 1*	B&K Microphone 1*	B&K Sound Level Meter 2	B&K Microphone 2
2019	02-25-19	02-25-19	Purchased 08-19-19	Purchased 08-19-19
2020	03-19-20	03-19-20	03-19-20	03-19-20
2021	03-19-21	03-19-21	03-19-21	03-19-21
2022	12-10-21	12-10-21	12-10-21	12-10-21
2023	02-08-23	02-07-23	02-08-23	02-07-23
2024	02-29-24	02-29-24	11-15-23	11-15-23
2025	12-09-24	12-09-24	12-09-24	12-09-24
**Meter 1 was purchased in 2016.*				

2.4. Weather Data

Weather data was collected using the Mine's permanent weather station. Hourly averages for wind speed, wind direction, temperature, relative humidity, and precipitation were available from this station.

In the case of noise monitoring for complaint situations, the Alberta Energy Regulator (AER) Directive 038 (April 17, 2023) identifies acceptable weather conditions for data collection, since wind and precipitation can affect noise measurements. Based on these guidelines and the intent of the ambient noise monitoring program, recorded noise data was initially filtered to remove measurements when average measured wind speed exceeded 15 km/h (4.17 m/s). This is AER's highest recommended wind speed over an extended period for use in noise monitoring complaint situations and applies to monitors located less than 500 m from noise sources (applicable to stations NPOR006a and NPOR017a). Although AER's 2023 guidance recommends lower wind speed limits at greater distances from noise sources and depending on wind direction, the above screening approach is considered appropriate here for general comparison with site noise targets, since high winds dominate in this area (e.g. summertime average of 15 km/h in 2025), and no noise-related complaints were under

investigation in 2025. This approach also facilitates comparison with historical values, which were screened in the same manner according to recommendations in the previous version of this guidance document (February 16, 2007).

Average hourly wind speed values from the site's permanent weather station were used in this analysis, since filtering based on hourly maximum values has historically resulted in exclusion of nearly the entire noise dataset. Data was further filtered on the basis of recorded precipitation as necessary during the secondary filtering stage (see Section 2.6.1), to preserve available data as much as possible. Weather data for the monitoring periods (wind speed, wind direction, temperature, relative humidity, precipitation) are provided in Appendix B.

2.5. Field Notes

A pocket weather meter (WeatherHawk® WindMateTM, WM-300) was used by field staff to record wind speed, direction, and temperature at the beginning and end of each monitoring period. Other observations included precipitation, cloud cover, and observed noises during instrument set-up and takedown. All field notes are provided in Appendix A.

2.6. Data Analysis

Recorded sound levels were downloaded for assessment using the Bruel and Kjaer 5503 Measurement Suite software, with some calculations performed using Microsoft Excel. Recorded one-minute LA_{eq} values were used to calculate hourly equivalent-energy noise levels (L_{eq}, 1h) for further processing.

2.6.1. Data Filtering

2.6.1.1. Primary Filtering

All datapoints associated with the first and last hour of measurement were filtered out to remove noise from technician activity, and to ensure more than 30 min of data contributed to hourly averages. Data was also filtered on the basis of hourly recorded wind conditions in consideration of AER Directive 038 (see Section 2.4). After this initial data filtering, valid hourly L_{eq} values were energy-averaged across calendar days within a monitoring event (usually two sequential 24-h periods) and used to calculate average night-time (11pm-7am) and 24 h L_{eq} values for each event. This approach has been taken historically due to the frequency of high-wind conditions, in order to maximize the utility of the available data, and to obtain at least 3 h of coverage from both day- and night-time periods with. All individual hourly L_{eq} values after primary filtering are provided in Appendix B.

2.6.1.2. Secondary Filtering

Typically, when calculated average 24-h or night-time L_{eq} values exceed analysis criteria (see Section 2.6.2, below), data and sound recordings are further reviewed to identify and if appropriate, remove noise data dominated by sources unrelated to mine activity, and causing recorded L_{eq} values in excess of FEIS predictions or noise targets (e.g. steady precipitation, ongoing animal disturbance in close proximity to the microphone, direct human interference, aircraft flyovers). These noise sources were

assumed to be minimal in FEIS models, where a background sound level of 35 dBA was used. Data is also typically evaluated for extended periods of local elevated wind gusts, as identified through review of sound recordings and recorded L90 values, which are assumed representative of background sound levels. When hourly L90 values exceed 35 dBA, and review of sound recordings does not identify audible mine-related noise, data may be filtered out. However, in 2025, sound was not recorded so these screenings were not conducted.

Periods of rain were identified through review of recorded weather data only (typically recordings are also used). Hourly L_{eq} values were filtered out when recorded precipitation and/or fog occurred. In this event, weather conditions from both the mine site weather station and NAVCAN-operated Rankin Inlet A weather station were used to help ensure data validity.

All 1-h L_{eq} values excluded on the basis of this secondary filtering step are indicated in Appendix B. Final 24-h L_{eq} values are reported for monitoring events with more than 180 valid minutes available from each of the daytime and nighttime periods.

2.6.2. Noise Monitoring Criteria

Final L_{eq} values are compared to FEIS predictions and the site's noise monitoring criteria (see Table 6) to help inform noise abatement programs. As indicated in the Noise Abatement and Monitoring Plan, night-time L_{eq} values (11 pm – 7 am) are also calculated, and are compared with the design target of 40 dBA for appropriately located sites (NPOR008). It should be noted that this target was designed to apply at a distance of 1.5 km from the Site Study Area (SSA) in remote areas. NPOR008 is located approximately 1.2 km from the SSA, so exceedances of this target value may occur at the monitoring station without exceeding the design target at the 1.5 km distance. If concerns arise regarding nighttime sound levels around the Mine, one or more stations may be added or moved in future monitoring events to coincide with this design target location to more precisely assess FEIS predictions. The other Mine monitoring stations (NPOR006a, NPOR014a) are located significantly closer to or within the SSA, so comparison to the nighttime design target is not considered appropriate. Similarly, no SSA was assessed for AWAR locations in the FEIS, therefore results at NPOR017a are not compared to the nighttime design target.

Table 6. FEIS predictions for 24-h equivalent sound levels, FEIS design targets for 1.5 km from the site study area (SSA) perimeter, and noise monitoring criteria from the Noise Abatement and Monitoring Plan.

Location	FEIS Prediction $L_{eq\text{-}24h}$ (dBA)	FEIS Design Target (1.5 km from SSA) $L_{eq\text{-}nighttime}$ (dBA)	Noise Monitoring Criteria $L_{eq\text{-}24h}$ (dBA)
NPOR006/6a	39.8	-	45
NPOR008	41.7	40	45
NPOR014/14a/14b	44.7	-	45
NPOR017/17a	43.4	-	45

SECTION 3 • RESULTS

Calculated 24-h and night-time L_{eq} values are presented and reviewed below, with a discussion of the data analysis criteria presented in Section 2.6.2. Since sound recordings were not available in 2025, the influence of non-mine-related noise sources on sound profiles is unknown. Results are presented with this caveat, and potential noise sources are explored according to historically-identified sources and sound profiles for each monitoring location.

All calculated 1-h L_{eq} values are provided in Appendix B, along with weather data used in data filtering.

3.1. NPOR006A

In total, two surveys were conducted at station NPOR006a. The second self-terminated after 13 h due to a battery failure, but sufficient day- and night-time data (3 h each) was obtained to calculate 24-h L_{eq} values.

Recorded 1-min L_{eq} values for the two monitoring events at NPOR006a are shown in Figures 3 and 4. For event 1 (July 19 - 21), the survey lasted 47 h; 9 h were filtered out due to wind conditions, and a further 12 h were filtered out due to recorded precipitation. For event 2 (August 29 - 30), 13 h of monitoring data were collected and 5 h were filtered out due to wind conditions.

Noise sources noted in the field log for this location in 2025 or historically include the possibility for human activities and ATVs from the nearby cabin (~600 m), mine activities (500 m), and animal sounds (birds in particular).

After data was filtered as described above, the calculated 24-h L_{eq} values were 45.4 dBA for event 1, and 44.9 dBA for event 2. For context, these both exceed the FEIS prediction (39.8 dBA) but do not substantially exceed the noise monitoring criterion (45 dBA).

In 2024, L_{eq} values at this location were in the same range, and evaluation of the data and sound recordings identified a combination of locally elevated winds and ongoing mine works in relatively close proximity to the survey location. A similar situation seems likely in 2025. Hourly L_{eq} values tended to exceed FEIS predictions only when recorded average hourly wind speeds were elevated, but just within data validity requirements. L90 values, which are typically assumed representative of background sound levels, were elevated above FEIS assumptions (35 dBA) for the first half of the survey. Historically, datapoints where an elevated background noise occurs due to wind interference may be filtered out if no mine-related sounds are audible, but this did not occur in 2025 since sound recordings were not available. Nearby mine activity includes materials transport along the road adjacent to the noise monitoring station (<200 m), and transport in and out of the nearby construction laydown area (approx. 400 m).

Table 7. Measured 24-h L_{eq} values for monitoring location NPOR006a in 2025.

Monitoring Station	Survey Dates	*Noise Monitoring Criterion* $L_{eq(24\ h)}$	*FEIS Prediction* $L_{eq(24\ h)}$	Measured $L_{eq\ 24\ h}$
NPOR006a	July 19 - 21	*45 dBA*	*39.8 dBA*	45.4 dBA
	August 29 - 30			44.9 dBA

Figure 2. Noise monitoring location NPOR006a (August 29, 2025).

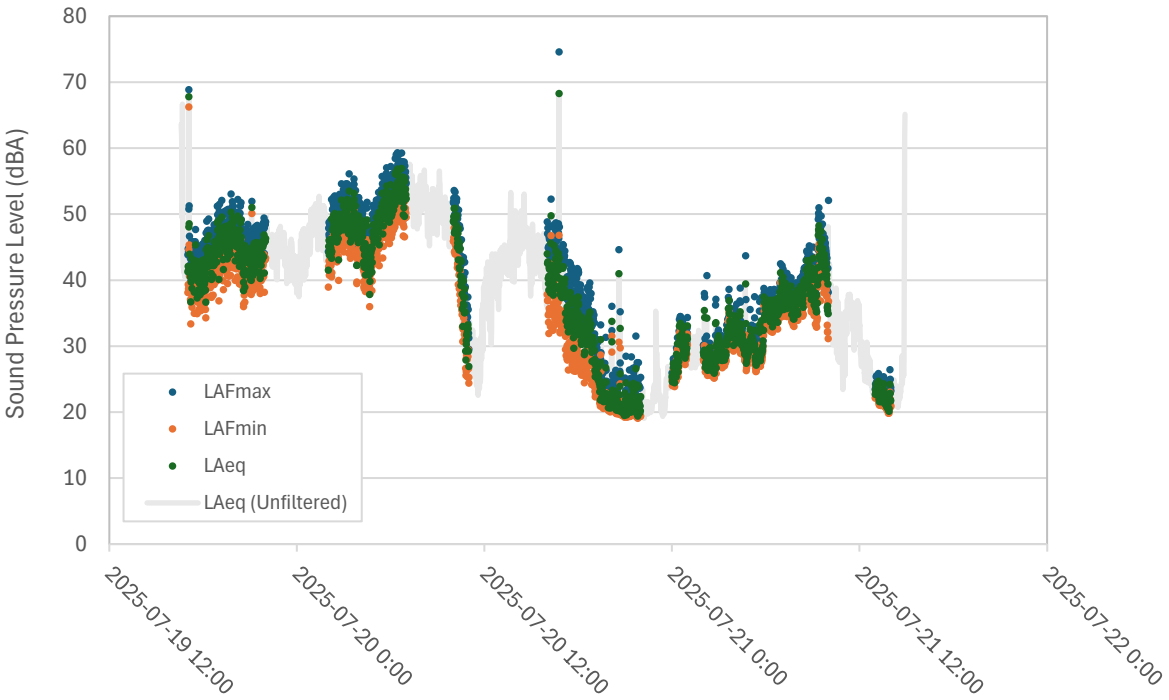

Figure 3. 1-min L_{max}, L_{min}, and L_{eq} values recorded at site NPOR006a during monitoring event 1.

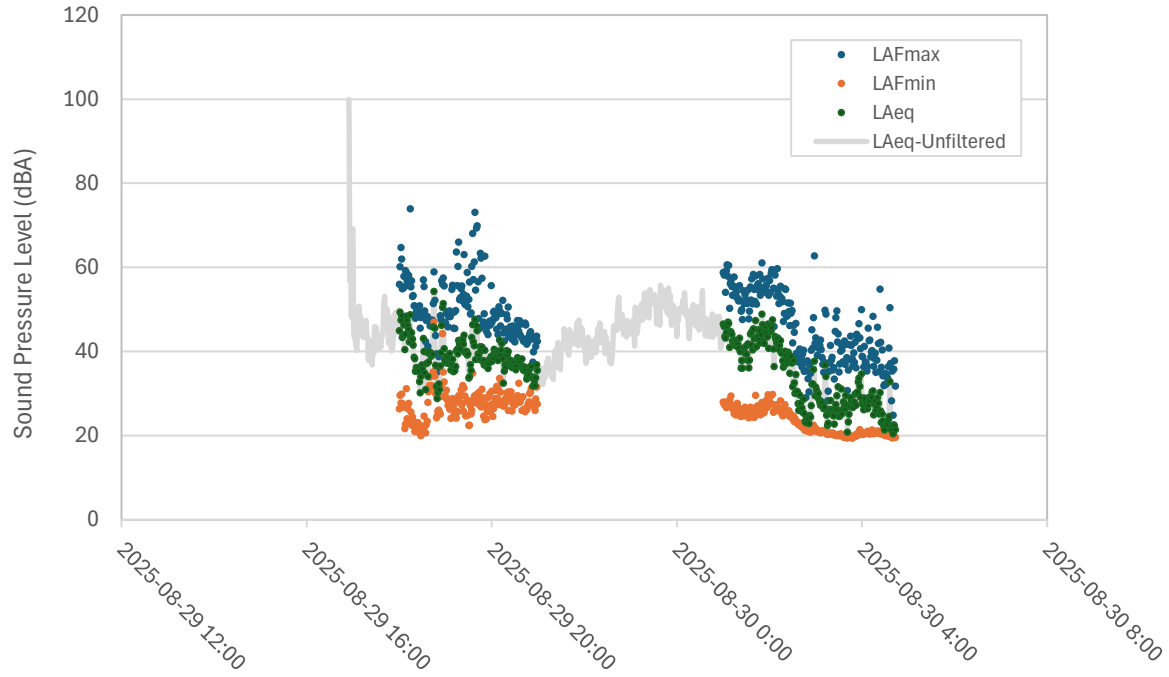

Figure 4. 1-min L_{max}, L_{min}, and L_{eq} values recorded at site NPOR006a during monitoring event 2.

3.2. NPOR008

Two surveys were conducted at station NPOR008, but the second (initiated October 10) self-terminated after 6 h due to a battery failure, and all data was filtered out due to high winds, so the 24-h L_{eq} could not be calculated.

Recorded 1-min L_{eq} values for the successful monitoring event at NPOR008 are shown in Figure 6. For this event (July 20 - 24), 49 h of monitoring were conducted, and 45 h of valid data were available after primary filtering for wind speeds. After secondary filtering on the basis of recorded precipitation (as shown in Appendix B), 23 hours of valid data remained.

Possible noise sources noted in the field log at this location are generally limited to wildlife, potential for local boats, and helicopters. Over the years, helicopters have regularly been recorded in noise surveys for this location, since it is near the exploration camp helipad and flight corridors.

The final 24-h L_{eq} and night-time L_{eq} values for monitoring event 1 are shown in Table 8. The calculated 24 h L_{eq} (45.8 dBA) exceeded the FEIS prediction of 41.7 dBA, and the noise monitoring criterion of 45 dBA. In 2025, the night-time environment did not differ substantially from daytime, and the design target was similarly exceeded.

Based on review of the monitoring data and sound recordings for the 2024 surveys, the elevated acoustic environment at that time was determined to have been caused by helicopter fly-overs. This is considered likely to have occurred in 2025 as well. Throughout both the 2024 and 2025 monitoring events, intermittent but regular peaks in 1-min L_{eq} values occurred (Figure 6) and in 2024, these corresponded to audible helicopters in sound recordings. Since helicopters for operational purposes are an infrequent, seasonal occurrence, they were not included in FEIS noise models. Helicopters may also be used locally for exploration purposes, by Agnico Eagle or other contractors. Thus, survey data dominated by helicopter noise is not considered suitable for comparison to FEIS predictions or site noise criteria. Additionally in 2025, L90 values, which are typically assumed representative of background sound levels, were regularly elevated above FEIS assumptions (35 dBA) throughout the survey (as described above for NPOR006a during the same time period), suggesting contributions from locally gusting wind at this location as well.

Table 8. Measured 24-h and night-time L_{eq} values for monitoring location NPOR008a in 2025.

Monitoring Station	**Survey Dates**	*Noise Monitoring Criterion* $L_{eq(24\ h)}$	*FEIS Prediction* $L_{eq(24\ h)}$	**Measured** $L_{eq\ 24\ h}$	*Design Target* L_{eq} *(nighttime)*	**Measured** $L_{eq\text{-}night\text{-}time}$
NPOR008a	July 19 - 21	*45 dBA*	*41.7 dBA*	45.8 dBA	*40 dBA*	46.4 dBA
	October 10			-		-
"-" Insufficient valid data after filtering for weather conditions.						

Figure 5. Noise monitoring location NPOR008 (July 20, 2025).

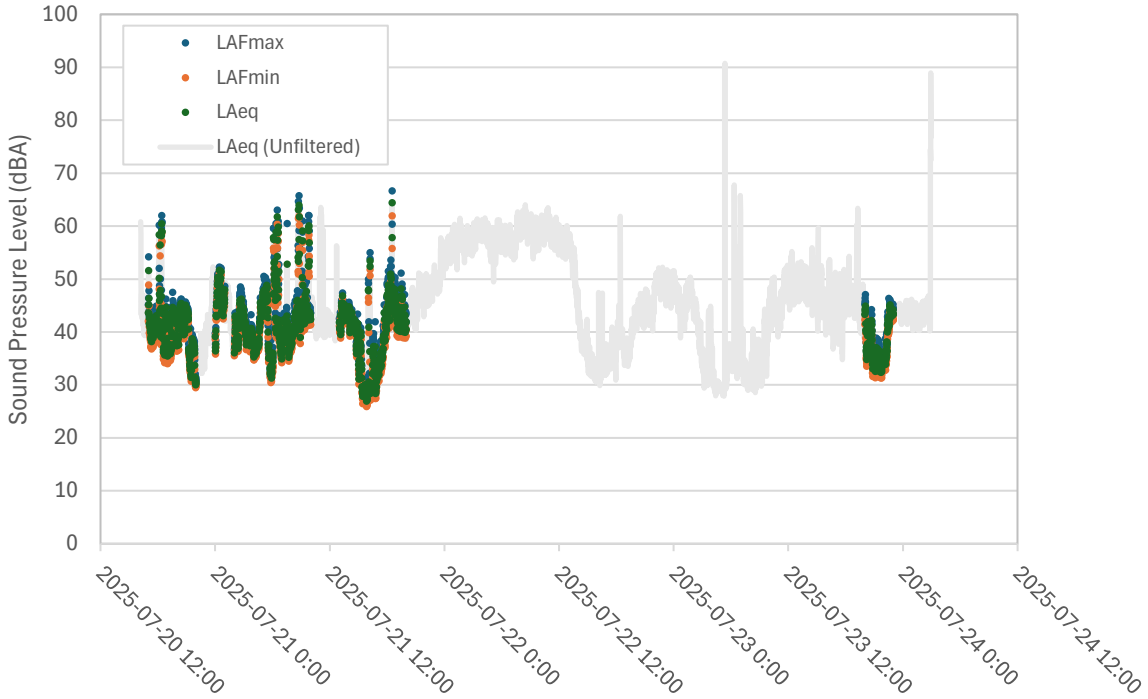

Figure 6. 1-min L_{max}, L_{min}, and L_{eq} values recorded at site NPOR008 during monitoring event 1.

3.3. NPOR014B

In 2025, no construction or operational activity occurred in the Discovery area, but noise monitoring was conducted opportunistically at station NPOR014b. Results are considered representative of background conditions.

Two monitoring events were successfully conducted, and recorded 1-min L_{eq} values are shown in Figures 8 and 9. For event 1 (September 7 - 9), 54 h of data were recorded, and 37 h were available after primary filtering for wind. A further 7 h were filtered out on the basis of recorded precipitation or fog. For event 2 (September 18 – 21), 70 h of data were recorded, and 53 h were available after primary filtering for wind. A further 32 h were filtered out on the basis of recorded precipitation or fog. Details of data filtering on the basis of recorded weather conditions are shown in Appendix B.

Noise sources noted in the field log for this location include birds, potential for helicopter traffic and boats.

Measured 24-h L_{eq} values for events 1 and 2 were 44.0 dBA and 36.6 dBA. For context, these are less than the FEIS prediction (44.7 dBA) (Table 9) and noise monitoring criterion (45 dBA) that will apply when mine operations in this area begin.

Table 9. Measured 24-h L_{eq} values for monitoring location NPOR014b in 2025.

Monitoring Station	Survey Dates	*Noise Monitoring Criterion* $L_{eq(24\ h)}$	*FEIS Prediction* $L_{eq(24\ h)}$	Measured $L_{eq\ 24\ h}$
NPOR014b	September 7 - 9	*45 dBA*	*44.7 dBA*	44.0 dBA
	September 18 - 21			36.6 dBA

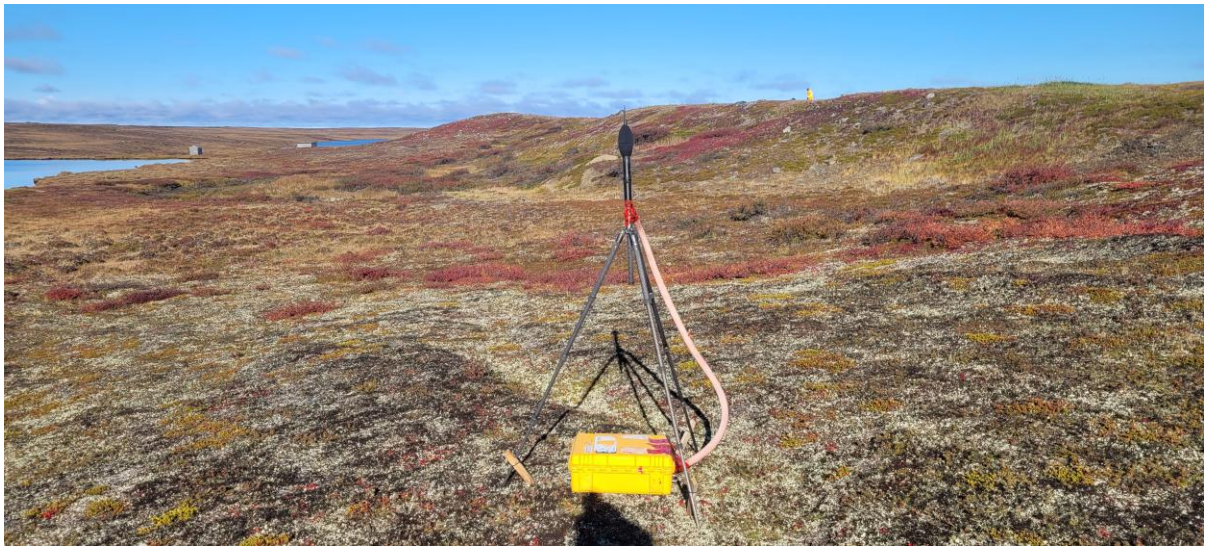

Figure 7. Noise monitoring location NPOR014b (September 7, 2025).

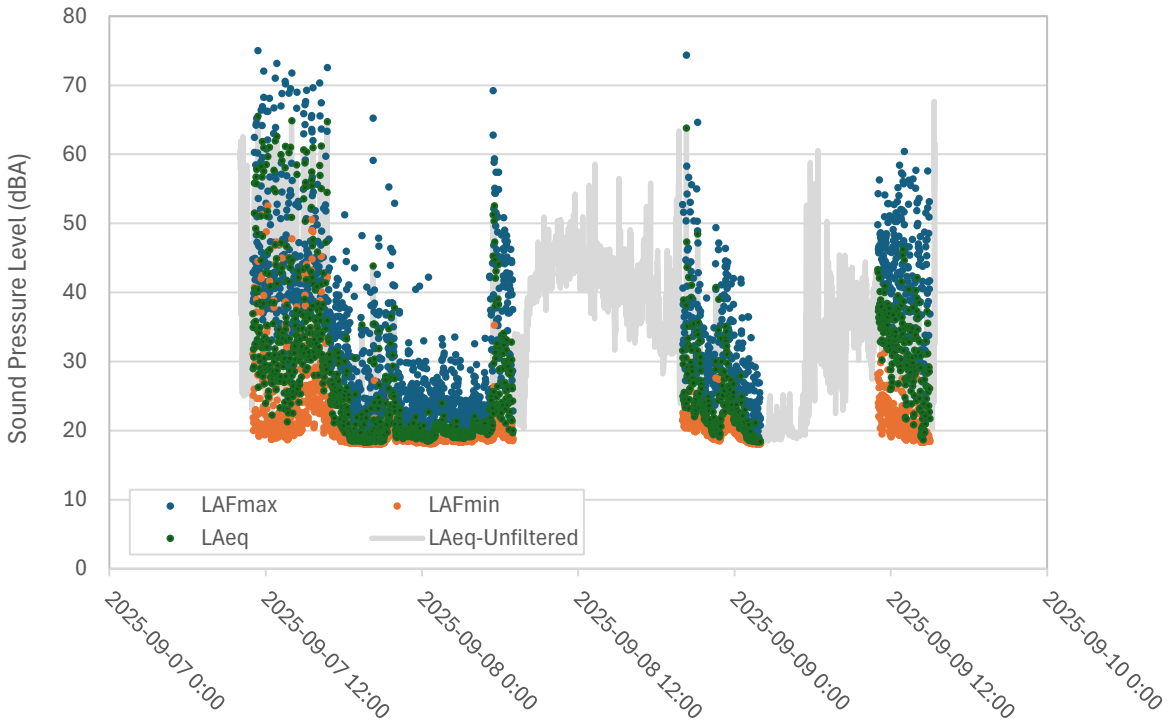

Figure 8. 1-min L_{max}, L_{min}, and L_{eq} values recorded during monitoring event 1 at site NPOR014b.

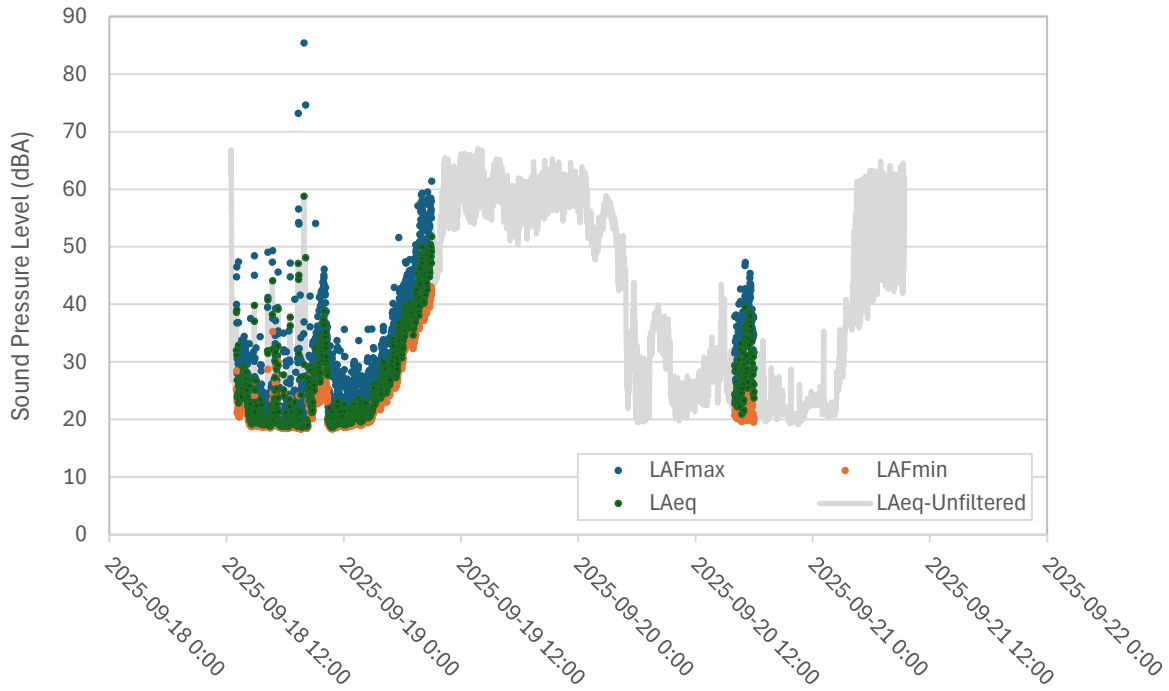

Figure 9. 1-min L_{max}, L_{min}, and L_{eq} values recorded during monitoring event 2 at site NPOR014b.

3.4. NPOR017A

Two noise surveys were conducted at station NPOR017a, but the second (initiated September 11) self-terminated after 9 h due to a battery failure. Although sufficient day- and night-time data was obtained to calculate the 24-h L_{eq} value, all data was filtered out due to high wind conditions so results are not presented here. Unfiltered L_{eq} values are provided in Appendix B.

For monitoring event 1 (August 3 – 4), 1-min L_{eq} values are shown in Figure 11. For this event, 29 h of monitoring were conducted and 21 h of valid data were available after primary filtering. No precipitation occurred during this event, so secondary filtering was not required.

This station is located 150 m from the AWAR, which is the dominant mine-related noise source. Noise sources noted in the field log include AWAR traffic and birds.

The measured 24-h L_{eq} value for this event was 54.8 dBA (Table 10). For context, this exceeds the FEIS prediction of 43.4 dBA, and the noise monitoring criterion (45 dBA). The noise profile at this station was dominated by a short-duration intense noise occurrence on August 4 from 15:32 h to 15:38 h, during which LAmax reached 105 dBA. Without sound recordings, the cause of this peak is unknown, but intense peaks of this type are not historically characteristic of mine activity. If these datapoints are excluded, the 24-h L_{eq} is 42.7 dBA, which is less than the FEIS prediction and noise monitoring criterion.

Table 10. Measured 24-h L_{eq} values for monitoring location NPOR017a in 2025.

Monitoring Station	**Survey Dates**	*Noise Monitoring Criterion* $L_{eq(24\ h)}$	*FEIS Prediction* $L_{eq(24\ h)}$	**Measured** $L_{eq\ 24\ h}$
NPOR017a	August 3 - 4	*45 dBA*	*43.4 dBA*	**54.8 dBA**
	September –11 - 12			-
"-" Insufficient valid data after filtering for weather conditions.				

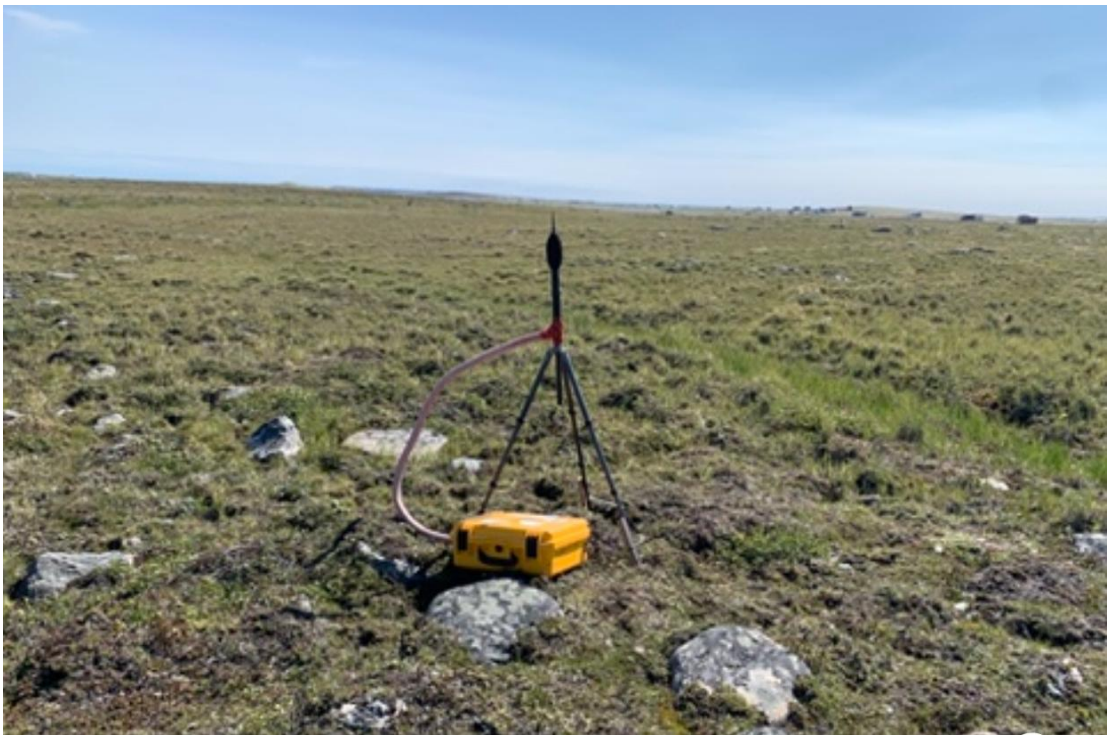

Figure 10. Noise monitoring location NPOR017a (August 3, 2025).

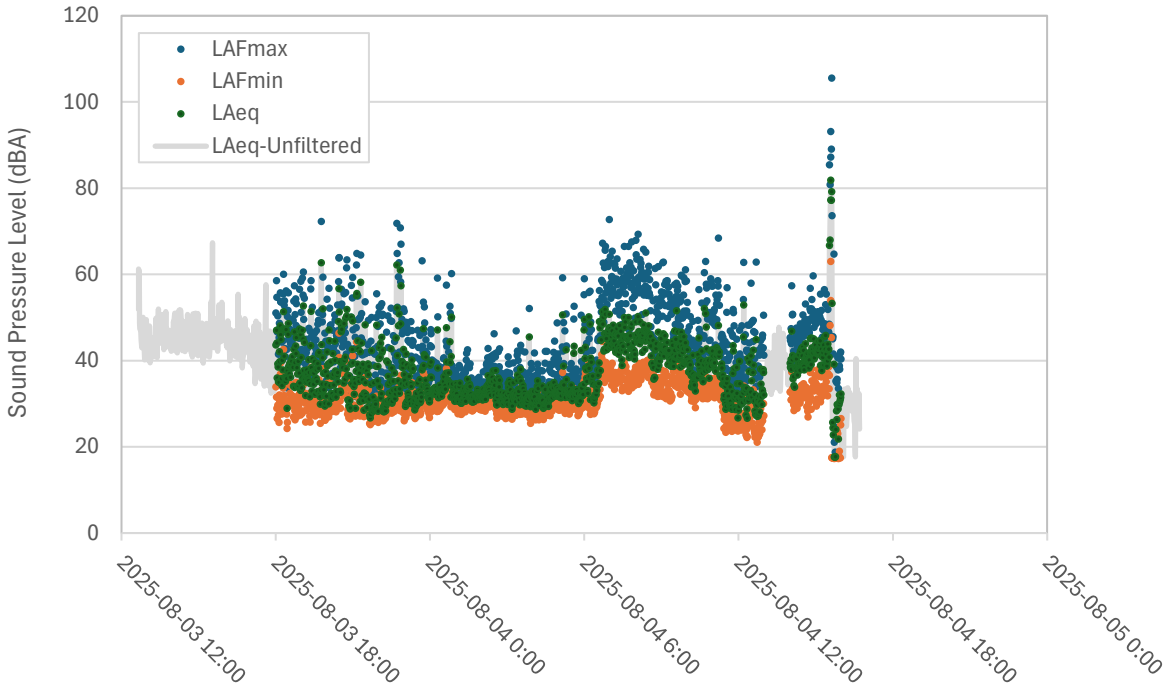

Figure 11. 1-min L_{max}, L_{min}, and L_{eq} values recorded at site NPOR017a during monitoring event 1.

SECTION 4 • HISTORICAL COMPARISON

A historical comparison of all available 24-h L_{eq} values for each monitoring site is provided in Figures 12 – 15.

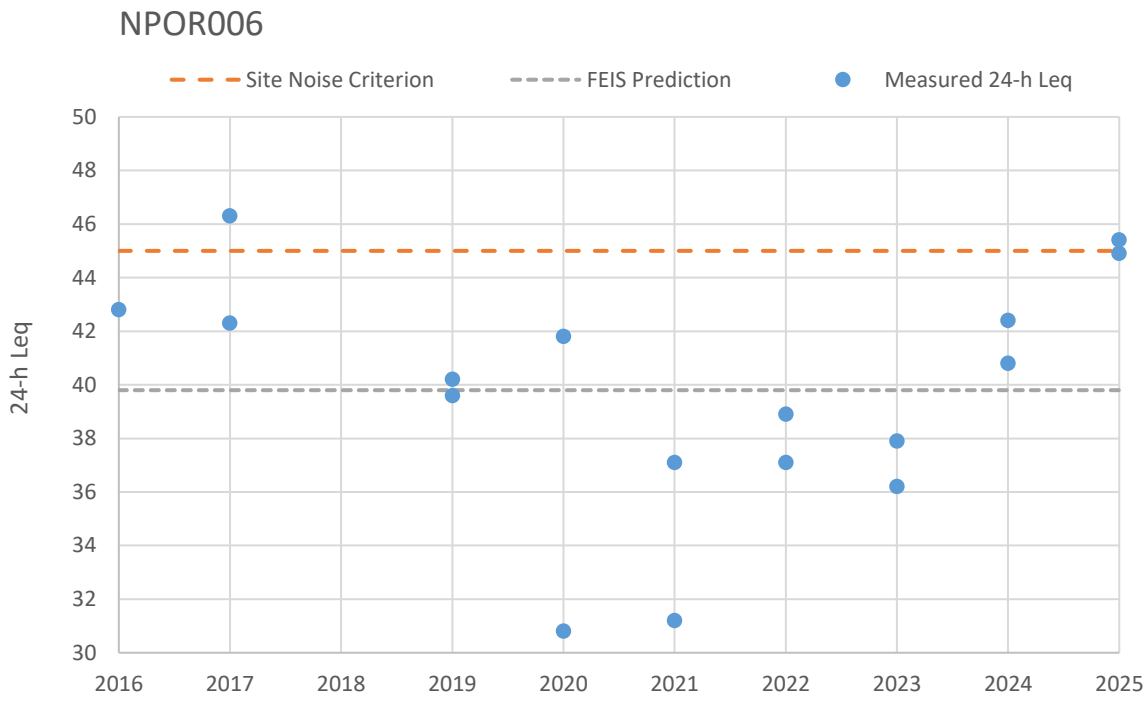

Figure 12. Historical noise monitoring results (24-h L_{eq} values) for site NPOR006 (2016 – 2019) and NPOR006a (2020+).

Notes: In 2016, 2017, and 2025 sound recordings were not available to support secondary data filtering, such as identification of any noise occurrences that were not mine-related.

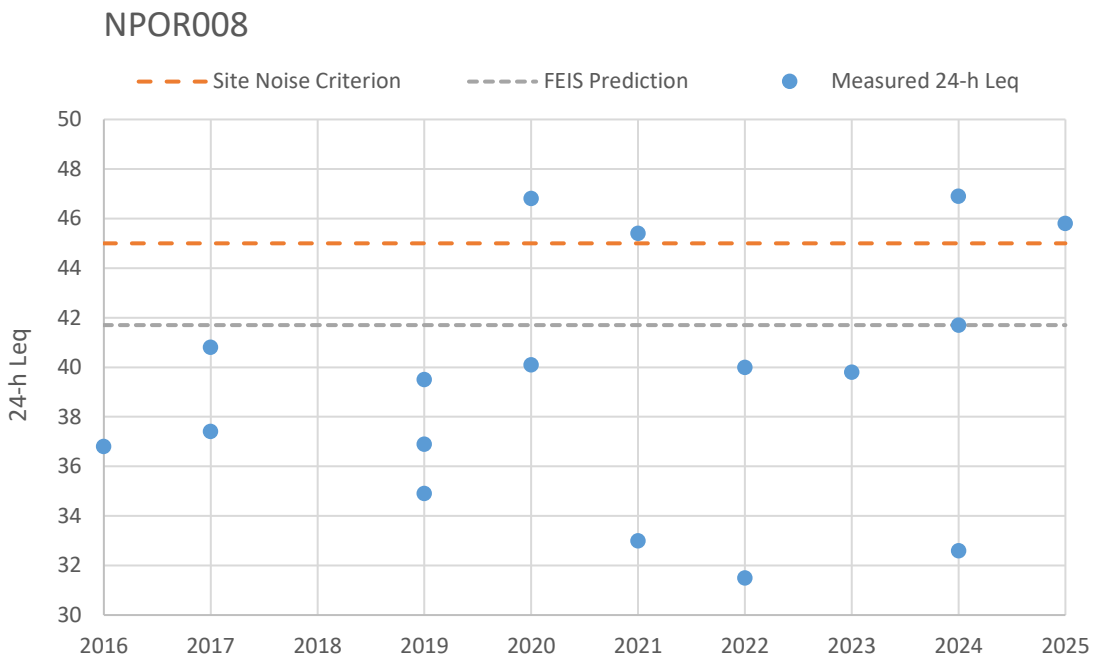

Figure 13. Historical noise monitoring results (24-h L_{eq} values) for site NPOR008.

Notes: In 2016, 2017, and 2025 sound recording were not available to support secondary data filtering, such as identification of any noise occurrences that were not mine-related. In 2020, 2021, and 2024, elevated L_{eq} values occurred due to frequent helicopter fly-overs. Insufficient valid data was available in 2018 to calculate L_{eq} values.

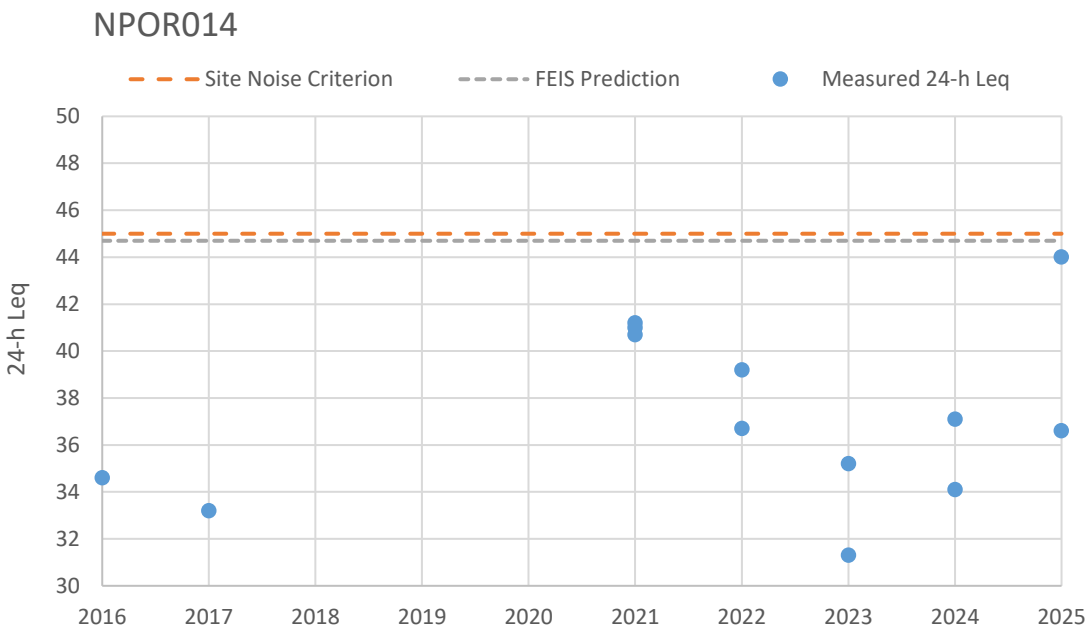

Figure 14. Historical noise monitoring results (24-h L_{eq} values) for sites NPOR014 (2016 – 2017), NPOR014a (2021-2023 event 1), and NPOR014b (2023 event 2, 2024+).

Notes: In 2016, 2017, and 2025 sound recording were not available to support secondary data filtering, such as identification of any noise occurrences that were not mine-related. Insufficient valid data was available in 2018 to calculate the 24-h L_{eq}. Monitoring was not conducted in 2019 or 2020. Limited mine-related activity has occurred in this area.

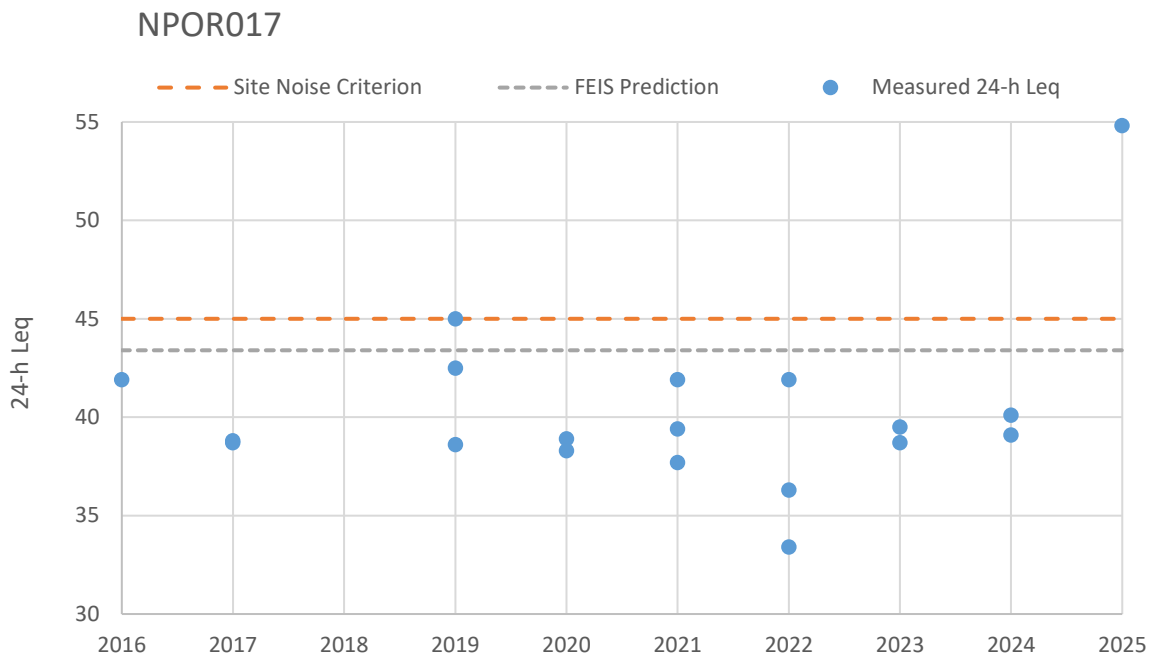

Figure 15. Historical noise monitoring results (24-h L_{eq} values) for site NPOR017 (2016 – 2019) and NPOR017a (2020+).

Notes: In 2016, 2017, and 2025 sound recording were not available to support secondary data filtering, such as identification of any noise occurrences that were not mine-related. Insufficient valid data was available in 2018 to calculate L_{eq} values.

SECTION 5 • ACTIONS

No specific supplemental actions related to outdoor ambient noise mitigation or monitoring were planned for 2025.

In 2026, the program logistics and condition of the equipment (especially batteries) will be reviewed to help ensure collection of a complete dataset.

Monitoring will continue to be conducted at NPOR006a, NPOR008, and NPOR017a. No significant construction activities related to the Discovery Pit are planned in 2026, therefore monitoring will again be conducted opportunistically at NPOR014b, as feasible.

APPENDIX A: FIELD NOTES

Monitoring Starts			
Sample ID:	NPOR06A	Cloud Cover:	Heavy
Date:	July 19, 2025	Height of Clouds:	0-10 000 (10 000-25 000) 25 000+
Operators:	MJM & SK	Air Temperature (°C):	16.5 °C
Calibration Completed:	(Y/N)	Wind Speed (km/h):	12
Sensitivity:	30.8 mV/Pa	Wind Direction:	SW 112°
Deviation:	0.00 dB	Relative Humidity (%):	50.7 %
Time of Calibration:	16:32	Precipitation:	None (Drizzle) Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	155
Photographs of Surroundings:	(Y/N)	Northing:	53 7 558
Check Available Memory on SD Card:	(Y/N)	Easting:	6991295
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	16:35

General Site Description	
Type of Ground Surface:	Tundra
Traffic in Area:	N/A
Human Activities in Area:	Dyno emulsion plant near
Animals in Area:	Birds
Other Noise Sources:	

Monitoring Ends			
Sample ID:	NPOR06A	Cloud Cover:	Heavy
Date:	July 21, 2025	Height of Clouds:	0-10 000 (10 000-25 000) 25 000+
Operators:	Marie & Isabela	Air Temperature (°C):	19°C
Calibration Completed:	(Y/N)	Wind Speed (km/h):	20
Sensitivity:		Wind Direction:	284° W
Deviation:		Relative Humidity (%):	59.4
Time of Calibration:		Precipitation:	None (Drizzle) Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	531558
Check Available Memory on SD Card	(Y/N)	Easting:	6991293
Battery Power Check:	(Y/N)	Noise Monitor End Time:	14:56

Monitoring Starts			
Sample ID: NPOR08		Cloud Cover: 90%	
Date: 2025-07-20		Height of Clouds:	(0-10 000) 10 000-25 000 25 000+
Operators: SK-BI		Air Temperature (°C): 14.9	
Calibration Completed:	(Y/N)	Wind Speed (km/h): ~~13.2~~ 16.9	
Sensitivity: 114.8 MV/PV		Wind Direction: SE	
Deviation: ~~0.00 DB~~ 0.00 DB		Relative Humidity (%): 65.5	
Time of Calibration: 4:05 PM		Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing: 15 V0543679	
Check Available Memory on SD Card:	(Y/N)	Easting: 6967300	
Battery Power Check:	(Y/N)	Noise Monitor Start Time: 4:10 PM	

General Site Description	
Type of Ground Surface:	Tundra, Canadian shield
Traffic in Area:	Helicopters
Human Activities in Area:	Surfaces drills 500m away
Animals in Area:	Birds
Other Noise Sources:	

Monitoring Ends			
Sample ID: NPOR08		Cloud Cover: 100%	
Date: 2025-07-28		Height of Clouds:	(0-10 000) 10 000-25 000 25 000+
Operators: SK-ML		Air Temperature (°C): ~~14.9~~	
Calibration Completed:	(Y/N)	Wind Speed (km/h):	
Sensitivity:		Wind Direction:	
Deviation:		Relative Humidity (%):	
Time of Calibration:		Precipitation:	None Drizzle (Rain)
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	
Check Available Memory on SD Card:	(Y/N)	Easting:	
Battery Power Check:	(Y/N)	Noise Monitor End Time:	Dead upon arrival

Monitoring Starts			
Sample ID:	NPOR08	Cloud Cover:	95%
Date:	10-10-2025	Height of Clouds:	(0-10 000) 10 000-25 000 25 000+
Operators:	MJM-BI	Air Temperature (°C):	4.7
Calibration Completed:	(Y/N)	Wind Speed (km/h):	21.1
Sensitivity:	31.66 MV- PA	Wind Direction:	~~ATW~~ W 268°
Deviation:	0.10 DB	Relative Humidity (%):	63.2
Time of Calibration:	2:32 PM	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	15 V0543707
Check Available Memory on SD Card:	(Y/N)	Easting:	6987276
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	2:38 PM

General Site Description	
Type of Ground Surface:	Tundra
Traffic in Area:	ATV/R Traffic
Human Activities in Area:	Potential ATV
Animals in Area:	Birds
Other Noise Sources:	Potential helicopter

Monitoring Ends			
Sample ID:		Cloud Cover:	95%
Date:	10-14-2025	Height of Clouds:	(0-10 000) 10 000-25 000 25 000+
Operators:	MJM-BI	Air Temperature (°C):	4.1
Calibration Completed:	(Y/N)	Wind Speed (km/h):	15.1
Sensitivity:		Wind Direction:	234
Deviation:		Relative Humidity (%):	72.7
Time of Calibration:		Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	15 V0543707
Check Available Memory on SD Card:	(Y/N)	Easting:	6987276
Battery Power Check:	(Y/N)	Noise Monitor End Time:	13:19

Monitoring Starts

Sample ID:	NP	Cloud Cover:	Clear
Date:	2025-09-07	Height of Clouds:	N/A (0-10 000) 10 000-25 000 25 000+
Operators:	MJM / MM / LLF	Air Temperature (°C):	~~9.1~~ °C 8.3
Calibration Completed:	Yes (Y/N)	Wind Speed (km/h):	~~8.4~~ 10.2
Sensitivity:	51.19 mV/Pa	Wind Direction:	242°
Deviation:	0.07 dB	Relative Humidity (%):	78.8
Time of Calibration:	10:00 am	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	0549574
Check Available Memory on SD Card:	(Y/N)	Easting:	6981988
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	10:00

General Site Description

Type of Ground Surface:	Tundra
Traffic in Area:	Helicopter
Human Activities in Area:	Cabins near-by
Animals in Area:	Birds
Other Noise Sources:	Possibly boats in nearby lakes

Monitoring Ends

Sample ID:		Cloud Cover:	Mostly
Date:	2025-09-09	Height of Clouds:	0-10 000 (10 000-25 000) 25 000+
Operators:	MJM & LLF	Air Temperature (°C):	11.8°C
Calibration Completed:	(Y/N)	Wind Speed (km/h):	4.5
Sensitivity:		Wind Direction:	251°
Deviation:		Relative Humidity (%):	61.1 %
Time of Calibration:		Precipitation:	None (Drizzle) Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	0549574
Check Available Memory on SD Card:	(Y/N)	Easting:	6981988
Battery Power Check:	(Y/N)	Noise Monitor End Time:	15:~~20~~ → pickup

Monitoring Starts

Sample ID: NPOR0146	Cloud Cover: 0%
Date: 2025-09-18	Height of Clouds: 0-10 000 10 000-25 000 25 000+
Operators: SK - RS	Air Temperature (°C):
Calibration Completed: (Y/N)	Wind Speed (km/h):
Sensitivity: 30.88mV/Pa	Wind Direction:
Deviation: -0.09dB	Relative Humidity (%):
Time of Calibration: 12:24pm	Precipitation: None Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing: 6495538
Check Available Memory on SD Card: (Y/N)	Easting: 6981990
Battery Power Check: (Y/N)	Noise Monitor Start Time: 12:30pm

General Site Description

Type of Ground Surface: Tundra
Traffic in Area: Local ATVs
Human Activities in Area: Cabins
Animals in Area: None observed
Other Noise Sources: None observed

Monitoring Ends

Sample ID: NPOR0146	Cloud Cover: 50%
Date: 2025-09-22	Height of Clouds: 0-10 000 (10 000-25 000) 25 000+
Operators: AS - RL	Air Temperature (°C):
Calibration Completed: (Y/N)	Wind Speed (km/h):
Sensitivity:	Wind Direction:
Deviation:	Relative Humidity (%):
Time of Calibration:	Precipitation: None Drizzle Rain
Photographs of Set up: (Y/N)	Barometric Pressure (kPa):
Photographs of Surroundings: (Y/N)	Northing:
Check Available Memory on SD Card: (Y/N)	Easting:
Battery Power Check: (Y/N)	Noise Monitor End Time:

Monitoring Starts

Sample ID:	NPOR17	Cloud Cover:	15%
Date:	2025-08-03	Height of Clouds:	0-10 000 / 10 000-25 000 / 25 000+
Operators:	AT-ML	Air Temperature (°C):	21
Calibration Completed:	(Y/N)	Wind Speed (km/h):	17
Sensitivity:	30.81	Wind Direction:	N
Deviation:	0.00	Relative Humidity (%):	46
Time of Calibration:	12:23	Precipitation:	None / Drizzle / Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	—
Check Available Memory on SD Card:	(Y/N)	Easting:	—
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	12:38

General Site Description

Type of Ground Surface:	tundra, wet
Traffic in Area:	AWAR nearby (400m)
Human Activities in Area:	AWAR, cottages, Quarry/construction
Animals in Area:	none
Other Noise Sources:	bit of wind

Monitoring Ends

Sample ID:	NPOR17	Cloud Cover:	15%
Date:	2025-08-04	Height of Clouds:	— / 0-10 000 / 10 000-25 000 / 25 000+
Operators:	AT-ML	Air Temperature (°C):	18
Calibration Completed:	(Y/N)	Wind Speed (km/h):	21
Sensitivity:		Wind Direction:	SW
Deviation:		Relative Humidity (%):	43
Time of Calibration:		Precipitation:	None / Drizzle / Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	—
Check Available Memory on SD Card:	(Y/N)	Easting:	—
Battery Power Check:	(Y/N)	Noise Monitor End Time:	4:02

Monitoring Starts			
Sample ID:	NPOR17a	Cloud Cover:	completely
Date:	Sept 11, 2025	Height of Clouds:	(0-10 000) 10 000-25 000 25 000+
Operators:	MJM & SK	Air Temperature (°C):	14.9
Calibration Completed:	(Y/N)	Wind Speed (km/h):	15.5
Sensitivity:	31.19 mV/Pa	Wind Direction:	222°
Deviation:	0.00 db	Relative Humidity (%):	61.9
Time of Calibration:	16:37	Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	
Check Available Memory on SD Card:	(Y/N)	Easting:	
Battery Power Check:	(Y/N)	Noise Monitor Start Time:	16:40

General Site Description	
Type of Ground Surface:	Tundra
Traffic in Area:	AWAR traffic
Human Activities in Area:	Potential ATV
Animals in Area:	Birds
Other Noise Sources:	Potential helicopters

Monitoring Ends			
Sample ID:	NPOR17a	Cloud Cover:	Almost complete
Date:	Sept 14, 2025	Height of Clouds:	(0-10 000) 10 000-25 000 25 000+
Operators:	MJM	Air Temperature (°C):	18.0°C
Calibration Completed:	(Y/N)	Wind Speed (km/h):	10
Sensitivity:		Wind Direction:	340°
Deviation:		Relative Humidity (%):	61-7
Time of Calibration:		Precipitation:	(None) Drizzle Rain
Photographs of Set up:	(Y/N)	Barometric Pressure (kPa):	
Photographs of Surroundings:	(Y/N)	Northing:	
Check Available Memory on SD Card:	(Y/N)	Easting:	
Battery Power Check:	(Y/N)	Noise Monitor End Time:	

APPENDIX B: WEATHER DATA AND HOURLY L_{EQ} VALUES

Appx B - Table 1. Weather data recorded from the Meliadine site permanent weather station for noise monitoring dates and hourly L_{eq} values calculated after primary data filtering (set-up/take-down, wind). Values excluded on this basis are indicated ("-"). Values filtered out during secondary filtering (in 2025, due to recorded precipitation or fog only) are in italics. Notes from the NAVCan Rankin Inlet A weather station were used to support data processing, as indicated.

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-07-19 17:00	0.0	11.7	74	8.9	149		-			
2025-07-19 18:00	0.0	12.2	67	10.0	160		50.6			
2025-07-19 19:00	0.0	12.4	63	10.2	161		43.9			
2025-07-19 20:00	0.0	11.1	70	10.4	151		46.7			
2025-07-19 21:00	0.0	9.9	79	9.3	156		44.9			
2025-07-19 22:00	0.0	9.3	82	13.2	172		44.3			
2025-07-19 23:00	0.1	8.9	86	9.7	167		*45.4*			
2025-07-20 0:00	0.1	8.9	87	11.7	171		*43.7*			
2025-07-20 1:00	0.1	8.7	92	11.7	166	rain	*45.8*			
2025-07-20 2:00	0.0	8.4	94	11.3	150	rain	*48.8*			
2025-07-20 3:00	0.0	8.3	92	11.7	169		48.0			
2025-07-20 4:00	0.0	8.2	91	10.6	165		49.6			
2025-07-20 5:00	0.0	8.3	91	12.7	145		45.6			
2025-07-20 6:00	0.0	8.7	90	15.3	169		50.6			
2025-07-20 7:00	0.0	9.1	90	13.1	185		53.7			
2025-07-20 8:00	0.6	8.6	97	11.8	188	rain	*53.3*			
2025-07-20 9:00	0.0	8.5	100	11.3	194	rain	*51.9*			
2025-07-20 10:00	0.0	9.4	100	10.6	210	rain	*51.0*			
2025-07-20 11:00	0.0	11.0	99	11.1	248		44.5			
2025-07-20 12:00	0.0	12.6	95	18.1	299		-			
2025-07-20 13:00	0.0	13.4	87	20.7	306		-			
2025-07-20 14:00	0.0	14.1	82	20.3	308		-			
2025-07-20 15:00	0.0	14.2	79	18.0	309		-			
2025-07-20 16:00	0.0	15.1	70	17.3	320		-			
2025-07-20 17:00	0.0	15.9	62	14.8	316		51.0			
2025-07-20 18:00	0.0	16.3	57	13.4	325		36.3	-		
2025-07-20 19:00	0.0	16.5	56	9.2	322		32.2	49.6		
2025-07-20 20:00	0.0	15.8	61	7.8	319		24.7	41.3		
2025-07-20 21:00	0.0	14.4	68	5.6	315		26.4	42.8		
2025-07-20 22:00	0.0	12.9	75	2.8	348		21.7	38.5		
2025-07-20 23:00	0.1	12.1	81	4.0	127		*23.1*	*35.6*		

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-07-21 0:00	0.2	10.9	89	4.7	136		*24.2*	*45.7*		
2025-07-21 1:00	0.0	9.6	97	4.9	148		29.6	47.5		
2025-07-21 2:00	0.1	9.8	93	5.5	147		*29.4*	*44.5*		
2025-07-21 3:00	0.0	9.7	92	5.5	147		29.4	42.6		
2025-07-21 4:00	0.0	9.3	95	4.6	147		31.6	39.6		
2025-07-21 5:00	0.0	9.4	95	5.3	151		31.7	41.5		
2025-07-21 6:00	0.0	10.5	91	6.1	139		31.5	44.5		
2025-07-21 7:00	0.0	11.9	82	5.4	145		36.0	51.3		
2025-07-21 8:00	0.0	12.5	79	6.9	166		37.5	40.6		
2025-07-21 9:00	0.0	12.8	81	9.5	182		39.4	51.4		
2025-07-21 10:00	0.0	13.3	83	9.8	212		42.8	50.4		
2025-07-21 11:00	0.0	14.2	85	15.3	231		-	-		
2025-07-21 12:00	0.1	13.9	87	9.0	236	rain	*34.8*	*52.1*		
2025-07-21 13:00	0.0	14.0	85	5.0	246	rain	*27.3*	*44.5*		
2025-07-21 14:00	0.0	13.8	87	1.9	152		22.5	43.7		
2025-07-21 15:00	0.0	14.0	83	6.5	128		-	41.1		
2025-07-21 16:00	0.0	13.6	85	8.7	116			32.3		
2025-07-21 17:00	0.0	13.1	84	11.1	137			40.2		
2025-07-21 18:00	0.0	10.9	94	13.9	137			39.1		
2025-07-21 19:00	0.0	10.7	92	11.9	132			50.0		
2025-07-21 20:00	0.0	10.1	97	14.5	130			42.7		
2025-07-21 21:00	0.0	10.1	89	16.6	125			-		
2025-07-21 22:00	0.0	9.5	88	17.2	118			-		
2025-07-21 23:00	1.8	8.6	96	20.6	115			-		
2025-07-22 0:00	0.1	8.3	100	24.0	124			-		
2025-07-22 1:00	0.6	8.1	100	25.1	122	rain/fog		-		
2025-07-22 2:00	1.2	8.0	100	23.2	119	rain/fog		-		
2025-07-22 3:00	4.5	8.3	100	22.1	115	rain/fog		-		
2025-07-22 4:00	6.0	8.6	100	22.8	120	rain/fog		-		
2025-07-22 5:00	0.3	8.6	100	22.2	120	rain/fog		-		
2025-07-22 6:00	0.4	8.3	100	21.4	120	rain/fog		-		
2025-07-22 7:00	1.2	7.9	100	22.0	114	rain/fog		-		
2025-07-22 8:00	0.0	7.9	100	26.0	113	rain/fog		-		
2025-07-22 9:00	0.0	8.0	100	24.7	114	rain/fog		-		
2025-07-22 10:00	1.2	7.8	100	25.3	114	rain/fog		-		
2025-07-22 11:00	2.5	8.1	100	22.5	115	rain/fog		-		

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-07-22 12:00	2.8	8.1	100	22.6	119	rain/fog		-		
2025-07-22 13:00	0.0	8.2	100	19.6	128	rain/fog		-		
2025-07-22 14:00	0.0	8.1	100	8.7	145	rain/fog		*53.9*		
2025-07-22 15:00	0.0	8.3	100	7.1	129	rain/fog		*39.5*		
2025-07-22 16:00	0.0	9.0	100	6.3	133	rain/fog		*33.4*		
2025-07-22 17:00	0.0	10.6	100	6.6	131	rain/fog		*37.1*		
2025-07-22 18:00	0.0	11.1	100	9.0	113	rain/fog		*36.7*		
2025-07-22 19:00	0.0	11.3	100	12.3	104	rain/fog		*45.1*		
2025-07-22 20:00	0.0	9.5	100	12.3	122	rain/fog		*39.7*		
2025-07-22 21:00	0.0	8.3	100	11.7	112	rain/fog		*43.7*		
2025-07-22 22:00	0.0	7.7	100	13.8	114	rain/fog		*45.3*		
2025-07-22 23:00	0.0	7.8	100	15.4	102	rain/fog		-		
2025-07-23 0:00	0.0	8.0	100	14.6	107	rain/fog		*49.6*		
2025-07-23 1:00	0.0	7.8	100	17.0	98	rain/fog		-		
2025-07-23 2:00	0.0	8.1	100	13.5	91	rain/fog		*47.5*		
2025-07-23 3:00	0.0	8.0	100	9.0	12	rain/fog		*42.3*		
2025-07-23 4:00	0.0	8.1	100	9.6	30	rain/fog		*37.1*		
2025-07-23 5:00	0.0	7.9	100	13.5	28	rain/fog		*30.5*		
2025-07-23 6:00	0.0	8.1	100	12.6	27	rain/fog		*75.5*		
2025-07-23 7:00	0.0	8.8	100	14.8	26	rain/fog		*54.6*		
2025-07-23 8:00	0.0	9.6	100	16.7	18	rain/fog		-		
2025-07-23 9:00	0.0	10.1	99	20.1	13	rain/fog		-		
2025-07-23 10:00	0.0	10.2	97	21.4	19	rain/fog		-		
2025-07-23 11:00	0.0	10.5	95	24.5	21	rain/fog		-		
2025-07-23 12:00	0.0	11.7	85	25.7	37	rain/fog		-		
2025-07-23 13:00	0.0	12.2	82	26.9	31	rain/fog		-		
2025-07-23 14:00	0.0	11.8	86	25.6	27			-		
2025-07-23 15:00	0.0	11.9	84	24.6	33			-		
2025-07-23 16:00	0.0	11.8	85	23.3	18			-		
2025-07-23 17:00	0.0	11.8	84	21.9	26			-		
2025-07-23 18:00	0.0	11.6	85	22.5	13			-		
2025-07-23 19:00	0.0	11.0	94	20.0	9			-		
2025-07-23 20:00	0.0	10.8	94	16.2	30			-		
2025-07-23 21:00	0.0	10.3	99	11.4	11			39.1		
2025-07-23 22:00	0.0	10.2	99	11.3	343			34.9		
2025-07-23 23:00	0.0	10.1	99	11.4	332			41.7		

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-07-24 0:00	0.0	10.1	98	18.2	345			-		
2025-07-24 1:00	0.0	10.0	98	16.6	343			-		
2025-07-24 2:00	0.0	9.9	96	19.2	347			-		
2025-08-03 13:00	0.0	19.1	45	22.8	303					-
2025-08-03 14:00	0.0	19.7	43	23.0	303					-
2025-08-03 15:00	0.0	20.3	41	21.6	303					-
2025-08-03 16:00	0.0	20.6	38	20.2	304					-
2025-08-03 17:00	0.0	20.8	39	16.8	304					-
2025-08-03 18:00	0.0	20.7	38	17.3	287					-
2025-08-03 19:00	0.0	20.3	42	14.5	280					42.8
2025-08-03 20:00	0.0	18.9	52	10.3	256					46.7
2025-08-03 21:00	0.1	17.3	60	10.1	246					44.8
2025-08-03 22:00	0.0	15.8	67	10.1	230					44.7
2025-08-03 23:00	0.0	15.1	71	12.4	231					48.5
2025-08-04 0:00	0.0	14.2	76	12.5	239					36.4
2025-08-04 1:00	0.0	13.4	80	14.7	238					38.4
2025-08-04 2:00	0.0	12.9	82	14.3	244					32.3
2025-08-04 3:00	0.0	12.7	83	11.4	231					33.4
2025-08-04 4:00	0.0	12.2	87	11.8	225					33.8
2025-08-04 5:00	0.0	11.9	91	14.7	229					32.1
2025-08-04 6:00	0.0	12.4	87	13.7	231					37.6
2025-08-04 7:00	0.0	13.4	85	13.7	228					45.0
2025-08-04 8:00	0.0	14.5	81	12.4	229					45.3
2025-08-04 9:00	0.0	15.8	73	14.4	231					45.1
2025-08-04 10:00	0.0	17.1	69	13.6	237					43.3
2025-08-04 11:00	0.0	18.2	63	13.7	233					41.4
2025-08-04 12:00	0.0	19.6	55	13.0	232					38.3
2025-08-04 13:00	0.0	21.2	45	13.8	235					38.6
2025-08-04 14:00	0.0	22.1	39	15.3	232					-
2025-08-04 15:00	0.0	22.2	42	12.1	185					41.1
2025-08-04 16:00	0.0	22.0	40	13.1	184					67.7
2025-08-04 17:00	0.0	20.9	45	11.5	191					-
2025-08-29 17:00	0.0	15.1	46	15.3	257	-				
2025-08-29 18:00	0.0	14.4	50	12.0	238	52.5				

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-08-29 19:00	0.0	14.0	61	12.0	227	44.2				
2025-08-29 20:00	0.0	13.5	64	10.2	207	40.5				
2025-08-29 21:00	0.0	13.3	68	11.9	199	37.7				
2025-08-29 22:00	0.0	13.6	71	15.5	215	-				
2025-08-29 23:00	0.0	14.1	74	18.4	236	-				
2025-08-30 0:00	0.0	14.0	79	17.8	242	-				
2025-08-30 1:00	0.0	13.9	82	15.8	244	-				
2025-08-30 2:00	0.0	14.0	83	13.4	252	43.6				
2025-08-30 3:00	0.0	13.6	87	12.1	243	39.2				
2025-08-30 4:00	0.0	13.7	88	10.4	272	29.0				
2025-08-30 5:00	0.0	13.5	90	8.6	307	26.9				
2025-09-07 11:00	0.0	6.4	74	12.6	343				-	
2025-09-07 12:00	0.0	7.2	69	11.9	2				52.5	
2025-09-07 13:00	0.0	7.8	66	10.1	355				51.3	
2025-09-07 14:00	0.0	8.2	62	10.7	347				50.4	
2025-09-07 15:00	0.0	8.6	60	8.6	333				49.9	
2025-09-07 16:00	0.0	9.0	60	8.3	341				49.9	
2025-09-07 17:00	0.0	8.8	60	6.2	6				50.2	
2025-09-07 18:00	0.0	8.2	63	4.8	41				25.9	
2025-09-07 19:00	0.0	7.9	64	0.5	97				24.1	
2025-09-07 20:00	0.0	7.5	65	0.4	192				21.6	
2025-09-07 21:00	0.1	7.3	68	3.6	225				28.7	
2025-09-07 22:00	0.0	6.8	72	5.4	219				26.8	
2025-09-07 23:00	0.1	6.4	76	6.7	193				20.0	
2025-09-08 0:00	0.0	6.0	83	7.5	212				19.8	
2025-09-08 1:00	0.0	6.1	86	9.3	229				19.2	
2025-09-08 2:00	0.0	6.3	81	10.1	230				20.5	
2025-09-08 3:00	0.0	6.1	81	9.4	233				19.7	
2025-09-08 4:00	0.0	6.1	85	10.2	231				19.5	
2025-09-08 5:00	0.0	6.1	86	9.4	233				20.4	
2025-09-08 6:00	0.0	6.1	88	8.6	243				40.3	
2025-09-08 7:00	0.0	6.2	96	14.4	323				28.6	
2025-09-08 8:00	0.1	5.4	99	19.0	337				-	
2025-09-08 9:00	0.1	4.8	98	23.5	334	rain			-	
2025-09-08 10:00	0.0	4.7	94	22.3	328	rain			-	

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-09-08 11:00	0.0	5.6	81	20.1	328	rain			-	
2025-09-08 12:00	0.0	6.2	72	18.4	324				-	
2025-09-08 13:00	0.0	6.6	66	18.6	319				-	
2025-09-08 14:00	0.0	6.7	65	19.8	311				-	
2025-09-08 15:00	0.0	6.8	66	19.1	316				-	
2025-09-08 16:00	0.0	6.9	66	19.1	318				-	
2025-09-08 17:00	0.0	6.5	71	18.1	318				-	
2025-09-08 18:00	0.0	6.2	75	15.2	316	rain			-	
2025-09-08 19:00	0.0	5.7	81	11.6	295	rain			*38.7*	
2025-09-08 20:00	0.0	5.7	84	12.2	283	rain			*47.4*	
2025-09-08 21:00	0.0	6.0	79	11.8	296				46.4	
2025-09-08 22:00	0.0	5.6	82	12.8	317				32.3	
2025-09-08 23:00	0.0	5.2	86	9.5	332				27.5	
2025-09-09 0:00	0.0	5.2	90	7.8	339				28.0	
2025-09-09 1:00	0.0	4.9	96	6.9	360				21.8	
2025-09-09 2:00	0.0	4.5	98	6.9	20				19.0	
2025-09-09 3:00	0.0	3.4	100	7.1	17	fog			*20.2*	
2025-09-09 4:00	0.0	3.0	100	3.4	45				*20.8*	
2025-09-09 5:00	0.0	3.1	100	8.2	5	fog			*20.4*	
2025-09-09 6:00	0.0	3.4	100	6.5	16				*43.3*	
2025-09-09 7:00	0.0	3.8	100	7.7	40	fog			*47.1*	
2025-09-09 8:00	0.0	4.6	100	15.1	29				-	
2025-09-09 9:00	0.0	5.0	100	17.9	36				-	
2025-09-09 10:00	0.0	6.0	89	16.4	28				-	
2025-09-09 11:00	0.0	7.0	79	17.4	44				-	
2025-09-09 12:00	0.0	7.0	78	14.2	40				36.9	
2025-09-09 13:00	0.0	7.0	81	12.2	15				36.1	
2025-09-09 14:00	0.0	7.5	78	12.1	11				33.1	
2025-09-09 15:00	0.0	7.9	72	11.2	9				31.2	
2025-09-09 16:00	0.0	8.0	67	10.1	4				-	
2025-09-11 17:00	0.0	8.9	98	24.9	26					-
2025-09-11 18:00	0.0	8.4	97	23.6	24					-
2025-09-11 19:00	0.0	7.7	97	25.5	20					-
2025-09-11 20:00	0.0	7.1	99	26.0	26					-
2025-09-11 21:00	0.0	7.0	100	23.3	23					-

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-09-11 22:00	0.0	6.7	100	28.0	25					-
2025-09-11 23:00	0.0	6.5	100	27.7	26					-
2025-09-12 0:00	0.0	6.3	98	25.4	31					-
2025-09-12 1:00	0.0	6.1	100	23.1	22					-
2025-09-12 2:00	0.0	6.0	99	21.7	30					-
2025-09-12 3:00	0.0	5.9	99	24.4	25					-
2025-09-12 4:00	0.0	5.9	98	28.3	25					-
2025-09-18 13:00	0.0	9.4	48	5.4	334				-	
2025-09-18 14:00	0.0	10.0	46	5.3	330				28.8	
2025-09-18 15:00	0.0	10.7	37	4.4	315				26.1	
2025-09-18 16:00	0.0	10.8	30	3.9	313				20.4	
2025-09-18 17:00	0.0	11.0	37	2.1	305				30.0	
2025-09-18 18:00	0.0	9.8	46	3.5	270				25.1	
2025-09-18 19:00	0.0	8.8	45	1.8	249				24.3	
2025-09-18 20:00	0.0	8.1	49	0.9	146				41.7	
2025-09-18 21:00	0.1	6.2	68	6.2	182				31.3	
2025-09-18 22:00	0.0	5.5	77	8.0	211				32.0	
2025-09-18 23:00	0.0	5.0	79	3.6	203				27.8	
2025-09-19 0:00	0.0	4.4	81	4.0	178				20.0	
2025-09-19 1:00	0.0	3.1	90	3.4	153				20.4	
2025-09-19 2:00	0.1	2.7	91	4.6	141				21.4	
2025-09-19 3:00	0.0	2.6	93	6.2	139				21.7	
2025-09-19 4:00	0.0	2.9	91	6.7	145				24.8	
2025-09-19 5:00	0.0	3.3	95	7.5	146				28.0	
2025-09-19 6:00	0.0	2.9	100	9.6	137				32.4	
2025-09-19 7:00	0.0	2.7	100	11.5	133				37.6	
2025-09-19 8:00	0.0	4.0	99	13.7	134				42.8	
2025-09-19 9:00	0.0	5.9	92	14.1	138				46.4	
2025-09-19 10:00	0.0	7.0	84	17.6	145				-	
2025-09-19 11:00	0.0	7.1	84	17.3	146				-	
2025-09-19 12:00	0.0	7.3	85	18.0	148				-	
2025-09-19 13:00	0.0	7.0	88	20.5	144				-	
2025-09-19 14:00	0.1	6.4	95	18.5	146	rain			-	
2025-09-19 15:00	0.0	6.7	92	19.7	145				-	
2025-09-19 16:00	0.0	6.9	92	17.3	142				-	

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-09-19 17:00	0.0	7.3	93	16.9	150				-	
2025-09-19 18:00	0.0	7.3	96	15.5	164				-	
2025-09-19 19:00	0.0	7.0	100	15.8	168				-	
2025-09-19 20:00	0.0	7.0	100	17.1	171	fog			-	
2025-09-19 21:00	0.0	7.1	100	18.5	173	fog			-	
2025-09-19 22:00	0.0	7.0	100	16.6	169	fog			-	
2025-09-19 23:00	0.0	7.1	100	13.2	163	fog			*60.3*	
2025-09-20 0:00	0.3	7.4	100	19.4	178	fog			-	
2025-09-20 1:00	0.1	7.5	100	16.5	176	fog			-	
2025-09-20 2:00	0.0	7.7	100	13.9	182	fog			*52.5*	
2025-09-20 3:00	0.0	7.9	100	12.7	193	fog			*55.4*	
2025-09-20 4:00	0.0	8.1	100	12.5	203	fog			*55.4*	
2025-09-20 5:00	0.0	8.4	100	11.4	214	fog			*47.8*	
2025-09-20 6:00	0.0	8.6	100	10.3	231	fog			*35.5*	
2025-09-20 7:00	0.0	8.7	100	10.6	257	fog			*24.6*	
2025-09-20 8:00	0.0	9.4	100	8.9	298	fog			*34.2*	
2025-09-20 9:00	0.0	9.5	100	5.8	313	fog			*35.7*	
2025-09-20 10:00	0.0	9.4	100	7.1	250	fog			*30.9*	
2025-09-20 11:00	0.1	9.7	100	3.1	261	fog			*22.5*	
2025-09-20 12:00	0.0	10.8	100	1.9	61	fog			*23.9*	
2025-09-20 13:00	0.0	12.5	100	4.3	237	fog			*25.1*	
2025-09-20 14:00	0.0	12.6	100	6.6	206	fog			*28.9*	
2025-09-20 15:00	0.0	13.1	100	8.0	212				*34.9*	
2025-09-20 16:00	0.0	15.2	93	6.4	200				*27.1*	
2025-09-20 17:00	0.0	15.5	74	5.9	205				26.6	
2025-09-20 18:00	0.0	14.3	79	2.4	176				33.6	
2025-09-20 19:00	0.0	11.9	93	6.3	177				*25.1*	
2025-09-20 20:00	0.0	11.4	100	9.4	192				*22.4*	
2025-09-20 21:00	0.0	9.9	100	6.0	159				*22.9*	
2025-09-20 22:00	0.0	8.3	100	5.4	139	fog			*21.3*	
2025-09-20 23:00	0.0	7.4	100	6.4	130	fog			*20.4*	
2025-09-21 0:00	0.0	7.5	100	4.7	130	fog			*22.4*	
2025-09-21 1:00	0.0	7.6	100	5.9	128	fog			*23.4*	
2025-09-21 2:00	0.0	7.5	100	7.4	134	fog			*23.4*	
2025-09-21 3:00	0.0	6.9	100	9.1	138	fog			*26.4*	
2025-09-21 4:00	0.0	6.7	100	9.8	132	fog			*37.0*	

Date and Time (hour ending)	Total Precip. (mm)	Avg. Air Temp (°C)	Avg. Relative Humidity (%)	Avg. Wind Speed (km/h)	Avg. Wind Direction (deg.)	Rankin Inlet A Weather Notes	1-h L_{eq} (dBA)			
							NPOR 6a	NPOR 8	NPOR 14b	NPOR 17a
2025-09-21 5:00	0.0	7.1	100	10.4	134	fog			*54.2*	
2025-09-21 6:00	0.0	7.5	100	11.7	134	fog			*56.3*	
2025-09-21 7:00	0.0	7.5	100	12.1	135	fog			*57.0*	
2025-09-21 8:00	0.1	7.4	100	11.9	138	fog			*56.6*	
2025-09-21 9:00	0.1	7.5	100	12.2	145	fog			*57.7*	
2025-09-21 10:00	0.0	8.0	100	11.4	148	fog			-	
2025-10-10 15:00	0.0	2.3	88	26.5	279			-		
2025-10-10 16:00	0.0	2.7	90	25.0	285			-		
2025-10-10 17:00	0.0	2.7	88	25.1	288			-		
2025-10-10 18:00	0.0	2.0	90	19.5	279			-		
2025-10-10 19:00	0.0	2.1	91	21.3	279			-		
2025-10-10 20:00	0.0	1.9	90	19.2	283			-		
2025-10-10 21:00	0.0	0.9	97	15.6	269			-		
2025-10-10 22:00	0.0	0.5	100	17.0	248			-		